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EXAMINER

NGUYEN, HAI V

ART UNIT

PAPER NUMBER

2142

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7

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

09/755,942

Applicant(s)

BHATIA ET AL.

Examiner

Hai V. Nguyen

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 03 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 05 January 2001.  
2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.  
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.  
4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.  
5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.  
6) ☒ Claim(s) 1-20 is/are rejected.  
7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.  
8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.  
10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some \* c) ☐ None of:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)  
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)  
3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 4.5.  
4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.  
5) ☐ Notice of Informal Patent Application (PTO-152)  
6) ☐ Other: \_\_\_\_\_.

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### DETAILED ACTION

1. This Office Action is in response to the application filed on 05 January 2001.
2. Claims 1-20 are presented for examination.

#### ***Claim Rejections - 35 USC § 102***

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102(e) that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

4. Claims 1-20 are rejected under 35 U.S.C. 102(e) as being anticipated by

**Bowman-Amuah**, US patent no. **6,345,239 B1**.

5. As to claim 1, Bowman-Amuah teaches substantially the invention as claimed, including a Business-to-Business (B2B) engine for facilitating information interexchange between a telecommunications network and an information service provider (*communication service provider*), said B2B engine comprising:

a first interface module for transceiving information with said telecommunications network (*Abstract, col. 2, lines 10-30; col. 29, lines 26-39; col. 53, lines 15-42; col. 77, lines 13-46; col. 81, line 10 col. 82, line 60*);

a second interface module for transceiving information with said information service provider (*Abstract, col. 2, lines 10-30; col. 29, lines 26-39; col. 53, lines 15-42; col. 77, lines 13-46; col. 81, line 10 col. 82, line 60*);

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a processor connected to said first and said second interface nodules (*Abstract, col. 2, lines 10-30; col. 29, lines 26-39; col. 53, lines 15-42; col. 77, lines 13-46; col. 81, line 10 col. 82, line 60*); and

at least one application interconnected to said processor (*Abstract, col. 2, lines 10-30; col. 29, lines 26-39; col. 53, lines 15-42; col. 77, lines 13-46; col. 81, line 10 col. 82, line 60*).

6. As to claim 2, Bowman-Amuah teaches, wherein said at least one application module comprises an operation and maintenance module for managing and configuring said B2B engine (*col. 71, line 60 - col. 73, line 8*).

7. As to claim 3, Bowman-Amuah teaches, wherein said at least one application module comprises a data collection module for retrieving and storing real-time information (*col. 21, line 28 – col. 22, line 59; col. 26, line 27 – col. 27, line 37; col. 27, line 28 – col. 16; col. 28, line 58 – col. 29, line 39*).

8. As to claim 4, Bowman-Amuah teaches, wherein said at least one application module comprises a behavior analyses module for analyzing real-time information related to a subscriber and for checking subscription information for said subscriber (*col. 32, lines 16-35; col. 56, lines 2-61; col. 60, lines 17-37*).

9. As to claim 5, Bowman-Amuah teaches, wherein said at least one application module comprises a subscription module allowing subscription, by said information service provider, to receive real-time information and behavior data associated with a user, said subscription module allowing said user to subscribe to a service offered by

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said information service provider (*col. 32, lines 16-35; col. 56, lines 2-61; col. 60, lines 17-37*).

10. As to claim 6, Bowman-Amuah teaches, wherein said at least one application module comprises a performance and charging module (PALM), said PALM monitoring a plurality of charging records for said information service provider and for at least one subscriber to said information service provider (*col. 34, lines 58-67; col. 52, lines 41-58*).

11. As to claim 7, Bowman-Amuah teaches, wherein said at least one application module is selected from a group consisting of: a data collection module, a behavior analysis module, a service development environment module, a real-time delivery mode, a rules development module, an end user subscription module, a service execution module, a performance and charging module, an interfacing module and a operation and maintenance module (*col. 21, line 28 – col. 22, line 59; col. 26, line 27 – col. 27, line 37; col. 27, line 28 – col. 16; col. 28, line 58 – col. 29, line 39; col. 32, lines 16-35; col. 56, lines 2-61; col. 60, lines 17-37; col. 34, lines 58-67; col. 52, lines 41-58*).

12. As to claim 8, Bowman-Amuah teaches, a database for storing data associated with at least one subscriber within said telecommunications network (*col. 21, line 28 – col. 22, line 59; col. 26, line 27 – col. 27, line 37; col. 27, line 28 – col. 16; col. 28, line 58 – col. 29, line 39; col. 32, lines 16-35*).

13. As to claim 9, Bowman-Amuah teaches, wherein the stored data comprises registration information associated with said at least one subscriber, said registration information allowing a telecommunications device associated with said at least one

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subscriber to receive information from said information service provider (*col. 32, lines 16-35; col. 56, lines 2-61; col. 60, lines 17-37*).

14. As to claim 10, Bowman-Amuah teaches, further comprising a memory for storing instruction for said B2B engine (*col. 21, line 28 – col. 22, line 59; col. 26, line 27 – col. 27, line 37; col. 27, line 28 – col. 16; col. 28, line 58 – col. 29, line 39; col. 32, lines 16-35*).

15. As to claim 11, Bowman-Amuah teaches, wherein said instructional information, instructs said B2B engine to monitor certain real-time information associated with a telecommunications device (*col. 21, line 28 – col. 22, line 59; col. 26, line 27 – col. 27, line 37; col. 27, line 28 – col. 16; col. 28, line 58 – col. 29, line 39; col. 32, lines 16-35*).

16. As to claim 12, Bowman-Amuah teaches, wherein said real-time information is selected from the group consisting of: user device location, user preferences, user device Aon@ status, user device Aoff@ status, user cell global identity and user routing area (*col. 19, line 50 – col. 21, line 27; col. 21, line 28 – col. 22, line 59; col. 26, line 27 – col. 27, line 37; col. 27, line 28 – col. 16; col. 28, line 58 – col. 29, line 39; col. 32, lines 16-35*).

17. As to claim 13, Bowman-Amuah teaches a method for facilitating information interexchange between a telecommunications network and an information service provider (*communication service provider*), said method comprising the steps of:

receiving, at a Business-to-Business (B2B) engine (*Network Operator*) interconnect to sad telecommunications network and said information service provider, real-time information (*demonstration data*) from said telecommunications network (*col.*

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2, lines 10-30; col. 29, lines 26-39; col. 53, lines 15-42; col. 77, lines 13-46; col. 81, line 10 col.82, line 60);

processing, within said B2B engine, the received real-time information (col. 78, lines 12-67; col. 81, line 10 col.82, line 60); and

providing, by said B2B engine, said real-time information to said information service provider (col. 78, lines 12-67; col. 81, line 10 col.82, line 60; col. 93, line 22 – col. 94, line 63).

18. As to claim 14, Bowman-Amuah teaches, wherein said step of processing comprises the step of:

validating, within said B2B engine, an event associated with said received real-time information (col. 63, lines 33-48; col. 89, lines 48-53).

19. As to claim 15, Bowman-Amuah teaches, wherein said step of validating comprises comparing said event with information stored in a database associated with said B2B engine (col. 32, lines 16-35; col. 56, lines 2-61; col. 60, lines 17-37).

20. As to claim 16, Bowman-Amuah teaches, wherein said information indicates registration of a subscriber of said information service provider (col. 32, lines 16-35; col. 56, lines 2-61; col. 60, lines 17-37).

21. As to claim 17, Bowman-Amuah teaches, wherein said stems of processing comprises the step of:

generating a charging record associated with said real-time information provided to said information service provider (col. 34, lines 58-67; col. 52, lines 41-58).

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22. As to claim 18, Bowman-Amuah teaches, wherein said step of processing comprises the step of:

filtering said real-time information according to stored information in a database associated with said B2B engine, the filtered real-time information being provided to said information service provider in said providing step (*col. 57, line 13 – col. 59, line 7*).

23. As to claim 19, Bowman-Amuah teaches, wherein said step of processing further comprising the step of:

forwarding said receive real-time information to said information service provider, the forwarded received real-time information being substantially similar to said received real-time information (*col. 57, line 13 – col. 59, line 7*).

24. As to claim 20, Bowman-Amuah teaches, wherein said step of providing comprises providing the processed real-time information to said information service provider, said processed real-time information being substantially different from said received real-time information (*col. 53, line 16 – col. 54, line 65; col. 54, line 66 – col. 56, line 22; col. 57, line 13 – col. 59, line 7*)..

25. Further references of interest are cited on Form PTO-892, which is an attachment to this Action.



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26. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hai V. Nguyen whose telephone number is 703-306-0276. The examiner can normally be reached on 6:00-3:30 Mon-Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jack Harvey can be reached on 703-305-9705. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Hai V. Nguyen  
Examiner  
Art Unit 2142

*HN*

  
JACK B. HARVEY  
SUPERVISORY PATENT EXAMINER